

O I P E JC59
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U. S. PATENT AND TRADEMARK OFFICE

Sheet 1 of 4

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FORM PTO-1449, U. S. DEPARTMENT OF COMMERCE
(REV. 7-80) PATENT AND TRADEMARK OFFICE

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.:
500.1007CPA

SERIAL NO.: 09/284683

APPLICANT(S): CEVC, Gregor

FILING DATE: June 24, 1999

GROUP:

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	9	5	8	3	7	9	9/28/99	Regenold, et al.	—	—	
	AB	4	9	5	4	3	4	5	9/4/90	Müller	—	—	
	AC	4	9	3	7	0	7	8	6/26/90	Mezel, et al.	—	—	
	AD	5	7	4	1	5	1	5	4/21/98	Ciceri, et al.	—	—	
	AE	4	9	1	1	9	2	8	3/27/90	Wallach	—	—	

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES NO	
	AF	0	0	2	4	3	7	7	05/04/00	WO	A61K	9/127		
	AG	0	0	1	2	0	6	0	03/09/00	WO	A61K	9/127		
	AH	9	8	3	3	4	8	3	8/6/98	WO	—	—		
	AI	2	0	5	2	1	6	4	9/26/92	Canada	—	—		
	AJ	9	2	0	3	1	2	2	03/05/92	WO	—	—		
	AK	1	1	4	3	6	5	6	03/29/83	Canada	—	—		
	AL	WO	88	0	7	3	6	2	10/6/88	PCT	—	—		
	AM	0	2	8	0	4	9	2	8/31/88	Europe	—	—		
	AN	9	8	1	7	2	5	5	4/30/88	WO	—	—		
	AO	3	7	1	3	4	9	4	10/29/87	Germany	—	(—)	Abstract	
	AP	0	2	2	0	7	9	7	5/6/87	Europe	—	—		
	AQ	WO	87	0	1	9	3	8	4/9/87	PCT	—	—		
	AR	0	2	1	1	6	4	7	2/25/87	Europe	—	—		
	AS	0	1	0	2	3	2	4	3/7/84	Europe	—	—	Abstract	
	AT	3	0	1	6	9	7	6	11/13/80	Germany	—	—	Abstract	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	V.M. Knepp et al., "CONTROLLED DRUG RELEASE FROM A NOVEL LIPOSOMAL DELIVERY SYSTEM. II. TRANSDERMAL DELIVERY CHARACTERISTICS", Journal of Controlled Release 12 (1990) March, No. 1, Amsterdam, NL, pp. 25-30.
	AV	C.E. Price, "A REVIEW OF THE FACTORS INFLUENCING THE PENETRATION OF PESTICIDES THROUGH PLANT LEAVES" on I.C.I. Ltd., Plant Protection Division, Jealott's Hill Research Station, Bracknell, Berkshire RG12 6EY, U.K., pp. 237-252.
	AW	K. Karzel and R.K. Liedtke, "MECHANISMEN TRANSKUTANER RESORPTION" on Grandlagen/Basics, pp. 1487-1491 (translation also attached).
	AX	Search Report for PCT/EP91/01596.
	AY	*Michael Mezei, LIPOSOMES AS A SKIN DRUG DELIVERY SYSTEM" 1985 Elsevier Science Publishers B.V. (Biomedical Division), pp 345-358.
	AZ	Adrienn Gesztes and Michael Mezei, "TOPICAL ANESTHESIA OF THE SKIN BY LIPOSOME-ENCAPSULATED TETRACAIN" on Anesth Analg 1988; 67: pp 1079-81.

EXAMINER

[Signature]

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**FORM PTO-1449
(REV. 7-80)**

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 500.1007CPA	SERIAL NO.: Not Yet Known To Be Assigned			
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT(S): CEVC, Gregor				
<i>RECEIVED U.S. PATENT & TRADEMARK OFFICE DEC 11 2001 JC59</i>				FILING DATE: Simultaneously Herewith	GROUP:			
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA							
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
								YES NO
	CB	9 1 0 4 0 1 3		04/04/91	WO	A61K	9/127	
	CC	9 2 0 5 7 7 1		04/16/92	WO	A61K	9/127	
	CD	9 3 1 9 7 3 6		10/14/93	WO	A61K	9/127	
	CE	9 3 1 9 7 3 7		10/14/93	WO	A61K	9/127	
	CF	9 0 0 9 7 8 2		09/07/90	WO	A61K	9/127	
	CG	0 2 2 4 8 3 7		11/24/86	EP	A61K	9/127	
	CH	1 7 4 0 2 8 3		07/28/83	AU	A61K	9/10	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CI	Lasch, J. et al., "Interactions of external lipids (lipid vesicles) with the skin" <i>Journal of Liposome Research</i> , 5(3) pp. 543-569 (1995).						
	CJ	Berger, M. "Oral Insulin 1922-1992: The History of Continuous Ambition and Failure" <i>Heinrich-Heine-University, Dusseldorf, Germany</i> .						
	CK	Cevc, G. et al., "The skin: a pathway for systemic treatment with patches and lipid-based agent carriers" <i>Advanced Drug Delivery Reviews</i> 18 pp. 349-378 (1996).						
	CL	Benner, K., "The Human Body, The Wonderwork of the Human Body, Structure, Functions, Interactions, Processes and Mechanisms" <i>Weltbild GmbH Augsburg</i> (1995) (translation also attached)						
	CM	SERVA FEINBIOCHEMICA FUR FORSCHUNG for SERVA Feinbiochemica GmbH & Co. (1986/1987) (translation also attached)						
	CN	Fluka Ika-BioChemika Catalogue 16 (1988/89) (translation also attached)						
	CO	Fieser, L.F. et al., "Organic Chemistry" <i>Hans Ruprecht Hensel</i> , 2 nd revised edition, Verlag Chemie GmbH, Weinheim/Bergstr. (1968) (translation also attached)						
	CP	A. Helenius et al., "Solubilization of Membranes by Detergents" <i>Biochimica et Biophysica Acta</i> , 415 pp. 29-79 (1975).						
	CQ	Jackson, M.L. et al., "Solubilization of Phosphatidylcholine Bilayers by Octyl Glucoside" <i>Biochemistry</i> 21 pp. 4576-4582 (1982).						
	CR	Vinson, P.K. et al., "Vesicle-micelle transition of phosphatidylcholine and octyl glucoside elucidated by cryo-transmission electron microscopy" <i>Biophysical Journal</i> Volume 56 pp. 669-681 (1989).						
	CS	Edwards, K., "Effects of Triton X-100 on Sonicated Lecithin Vesicles" <i>Langmuir</i> Vol.5 No. 2 pp.473-478 (1989).						
	CT	Brendzel, A.M., "EFFECTS OF LIPID-SOLUBLE SUBSTANCES ON THE THERMOTROPIC PROPERTIES OF LIPOSOME FILTRATION" <i>Biochimica et Biophysica Acta</i> , 601 pp. 260-270 (1980).						
	CU	Roeding, J., "Liposomes and Niosomes in Pharmacy and Cosmetics State of the Art Prospects, Techniques of Visualizing Vesicular Systems, Interaction of Liposomes with the Skin" <i>Training Course No. 105 from May 14 to 16, 1990, MARITIM Hotel Nurnberg, Frauentorgraben 11, 8500 Nurnberg</i> , (translation also attached)						
EXAMINER <i>Karla</i>				DATE CONSIDERED <i>4/02</i>				
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	DA								
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
		DB	0 4 7 5 1 6 0	08/23/91	EP	A61K	9/127		YES NO
		DC	9 6 0 4 5 2 6	04/30/98	PCT	A61K	9/127		
		DD	9 8 0 5 5 3 9	03/09/00	PCT	A61K	9/127		
		DE	9 8 0 6 7 5 0	05/04/00	PCT	A61K	9/127		
		DF	9 1 0 1 5 9 6	03/05/92	PCT	A61K	9/127		
		DG	0 0 3 8 6 5 3	07/06/00	WO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
	DH	Attachment filed by Opponent - November 14, 1996 (Exhibit C)							
	DI	Patentee's Response to Opposition Request - April 21, 1997 (Exhibit D)							
	DJ	Patentee Communication to the EPO - May 22, 1998 (Exhibit E)							
	DK	Opponent's Response - May 22, 1998 (Exhibit F)							
	DL	Decision of EP Opposition Division - July 30, 1998 (Exhibit G)							
	DM	Appeal by Opponent - December 4, 1998 (Exhibit H)							
	DN	Response by Patentee - April 19, 1999 (Exhibit I)							
	DO	John M. Clark, Jr.: <u>Experimental Biochemistry</u> ; Biochemistry Division, Department of Chemistry; University of Illinois, pgs. 47-48							
EXAMINER <i>km</i>		DATE CONSIDERED <i>4/02</i>							
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